

## EAST Search History

| Ref # | Hits   | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|---|------------------|---------|------------------|
| L1    | 42     | (kazuaki near serizawa).in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/10 07:14 |
| L2    | 2      | (spreadsheet and noncircular and coordinate and axis and angular and machine) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/10 07:26 |
| L3    | 206345 | (NC numerical near (computer control\$4) and coordinate\$1)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/10 07:27 |
| L4    | 7585   | 3 and workpiece   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/10 07:27 |
| L5    | 25     | 4 and angular near coordinate   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/10 07:27 |
| L6    | 15     | 5 and longitudinal  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/10 07:28 |
| L7    | 6      | 6 and matrix  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/10 07:28 |
| L8    | 3830   | (700/159,183,184,186,190,191,192, 245,251,253,262,61,56,64,58).ccis.          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/10 09:04 |
| L9    | 769    | L8 and (NUMERICAL adj control NC)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/10 07:30 |

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|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| L10 | 545 | L9 and (axis axes)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/10 07:30 |
| L11 | 415 | L10 and (position positional positions location coordinate\$1 movement) with (command\$1 instruction\$1 program\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/10 07:30 |
| L12 | 69  | L10 and (decod\$3 convert\$3 translat\$3) with (position positional positions location coordinate\$1 movement) with (command\$1 instruction\$1 program\$3)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/10 07:30 |
| L13 | 14  | ("20010029404"   "3701888"   "4272818"   "4400118"   "4543635"   "4561050"   "4780654"   "4933868"   "5084660"   "5173648"   "5184053"   "5521830"   "6219898"   "6246201").PN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2006/11/10 07:30 |
| L14 | 13  | L13 and (axis axes)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/10 07:30 |
| L15 | 13  | L14 and (position positional positions location coordinate\$1 movement) with (command\$1 instruction\$1 program\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/10 07:30 |
| L16 | 4   | L14 and (decod\$3 convert\$3 translat\$3) with (position positional positions location coordinate\$1 movement) with (command\$1 instruction\$1 program\$3)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/10 07:30 |
| L17 | 15  | L12 and (analyzing analyzes analized analyze)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/10 07:30 |
| L18 | 4   | ("5260879" "6829518").pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/10 07:30 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| L19 | 7    | ("62293307" "05173621" "03166605" "02045805" "124615").pn.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/11/10 07:30 |
| L20 | 2    | ("4587608").pn.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/11/10 07:30 |
| L21 | 4277 | ((axis axes) adj number\$1)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/11/10 07:30 |
| L22 | 3    | (controlled adj (axis axes) adj number\$1)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/11/10 07:30 |
| L23 | 48   | L21 and (numerical adj control\$4 NC CNC) and "700"/\$.ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/11/10 07:30 |
| L24 | 11   | ("4365315"   "4739468"   "4797811"   "5253158"   "5283749"   "5604914"   "5808432"   "5953233"   "6290571"   "6311101"   "6356800").PN. | US-PGPUB; USPAT; USOCR                    | OR | ON | 2006/11/10 07:30 |
| L25 | 177  | L21 and (numerical adj control\$4 NC CNC) not fanuc.as.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/11/10 07:30 |
| L26 | 67   | (variable\$1 programmable integrat\$3) with ((axis axes) adj number\$1)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/11/10 07:30 |
| L27 | 2    | "9316623".pn.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/11/10 07:30 |
| L28 | 0    | "90316623".pn.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/11/10 07:30 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| L29 | 2    | "09316623".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/10 07:30 |
| L30 | 0    | "409316623".pn.   | JPO;<br>DERWENT                                       | OR | ON | 2006/11/10 07:30 |
| L31 | 1    | "9316623".pn.   | JPO;<br>DERWENT                                       | OR | ON | 2006/11/10 07:30 |
| L32 | 3    | "316623".pn.  | JPO;<br>DERWENT                                       | OR | ON | 2006/11/10 07:30 |
| L33 | 3422 | (machine and workpiece and shape<br>and piston and condition) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/10 09:04 |
| L34 | 564  | 33 and coordinate\$1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/10 09:05 |
| L35 | 362  | 34 and longitudinal   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/10 09:05 |
| L36 | 48   | 35 and (angular radial) near10<br>coordinate\$1               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/10 09:05 |
| L37 | 2    | 36 and reading near10 data                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/10 09:06 |